

Title (en)
MIXER DRUM DEVICE

Title (de)
MISCHERTROMMELVORRICHTUNG

Title (fr)
DISPOSITIF À TAMBOUR MÉLANGEUR

Publication
EP 2783745 A4 20150729 (EN)

Application
EP 12851525 A 20120808

Priority
• JP 2011257640 A 20111125
• JP 2012070169 W 20120808

Abstract (en)
[origin: US2013294191A1] A mixer drum apparatus to stir material to be stored includes a freely-rotatable drum having an opening end opened at one end to receive the material to be stored therein, a plurality of spirally-shaped blades provided inside the drum to have a phase difference, and an inlet seal provided at the opening end of the drum and connected partially to the blades. The inlet seal located between the blades forms an opening causing the material to be stored to pass through.

IPC 8 full level
B01F 29/60 (2022.01); **B01F 29/63** (2022.01); **B28C 5/42** (2006.01)

CPC (source: EP US)
B01F 29/40 (2022.01 - EP US); **B01F 29/60** (2022.01 - US); **B01F 29/63** (2022.01 - EP US); **B28C 5/0818** (2013.01 - US); **B28C 5/2054** (2013.01 - EP US); **B28C 5/4237** (2013.01 - EP US); **B28C 5/4268** (2013.01 - EP US)

Citation (search report)
• [X] GB 2263072 A 19930714 - HUMPIH ANTHONY MICHAEL [GB]
• [X] US 2879978 A 19590331 - HILKEMEIER LOUIS G, et al
• [X] JP 2006315466 A 20061124 - KAYABA INDUSTRY CO LTD
• [X] JP S56139514 U 19811022
• [X] JP S58101708 U 19830711
• See references of WO 2013077033A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2013294191 A1 20131107; US 9427714 B2 20160830; AU 2012341809 B2 20151126; CN 103313779 A 20130918;
CN 103313779 B 20151125; EP 2783745 A1 20141001; EP 2783745 A4 20150729; EP 2783745 B1 20170412; EP 3167955 A1 20170517;
JP 2013111789 A 20130610; JP 5883624 B2 20160315; NZ 613587 A 20160624; NZ 720395 A 20161125; WO 2013077033 A1 20130530

DOCDB simple family (application)
US 201213979929 A 20120808; AU 2012341809 A 20120808; CN 201280004656 A 20120808; EP 12851525 A 20120808;
EP 16204124 A 20120808; JP 2011257640 A 20111125; JP 2012070169 W 20120808; NZ 61358712 A 20120808; NZ 72039512 A 20120808